ELSEVIER

Journal of Contaminant Hydrology 24 (1996/97) 363–364

JOURNAL OF
Contaminant
Hydrology

Contents Volume 24, 1996/97

VOL. 24, NO. 1

Research Papers

Numerical stochastic analysis of groundwater contaminant transport and plume containment
M.M. Hamed, P.B. Bedient and J.P. Conte 1

Defining the air sparging radius of influence for groundwater remediation
J.E. McCray and R.W. Falta 25

Transport of rate-limited sorbing solutes in an aggregated porous medium: A multiprocess non-ideality approach
Q. Hu and M.L. Brusseau 53

Cadmium and nickel distribution coefficients for sandy aquifer materials
T.H. Christensen, N. Lehmann, T. Jackson and P.E. Holm 75

Stable isotope (^{18}O) investigations on the processes controlling fluoride contamination of groundwater
P.S. Datta, D.L. Deb and S.K. Tyagi 85

VOL. 24, NO. 2

Research Papers

Probabilistic sensitivity analysis for one-dimensional contaminant transport in the vadose zone
J.H. Piggott and J.D. Cawlfield 97

Nonideal transport of reactive solutes in heterogeneous porous media: 1. Numerical model development and moments analysis
R. Srivastava and M.L. Brusseau 117

The effects of barometric pumping on contaminant transport
L.H. Auer, N.D. Rosenberg, K.H. Birdsell and E.M. Whitney 145

Application of a reactive transport model for interpreting non-conservative tracer experiments: The Rio Maior case-study
T.E. Leitão, J.P. Lobo-Ferreira and A.J. Valocchi 167

Book Review 183

VOL. 24, NOS. 3–4

Publisher's Note i

Research Papers

Nonequilibrium solute transport parameters and their physical significance: numerical and experimental results
K. Bajracharya and D.A. Barry 185

Using flow interruption to identify factors causing nonideal contaminant transport
M.L. Brusseau, Q. Hu and R. Srivastava 205

A pore-scale investigation of mass transport from dissolving DNAPL droplets
C.A. Kennedy and W.C. Lennox 221
Enhanced removal of trapped non-aqueous phase liquids from saturated soil using surfactant solutions
J. Fortin, W.A. Jury and M.A. Anderson 247
Microbial growth and transport in porous media under denitrification conditions: experiments and simulations
T.P. Clement, B.M. Peyton, R.S. Skeen, D.A. Jennings and J.N. Petersen 269
A field test of tracer transport and organic contaminant elution in a stratified aquifer at the Rocky Mountain Arsenal (Denver, Colorado, U.S.A.)
K.W. Thorbjarnarson and D.M. Mackay 287
Heavy-metal ion complexation by particulate matter in the leachate of solid waste: a multi-method approach
U. Becker and S. Peiffer 313
On the transport of reactive solutes in partially saturated heterogeneous anisotropic porous formations
D. Russo 345

Contents Volume 24, 1996 / 97 363